

## JAPONISM DESIGN



## Features

- World's first, carbon film & metal film composite resistors
- "Sound of carbon film resistors" & "Temperature characteristics of metal film resistors" harmonized
- 24K gold plated OFC leads (no nickel ground)
- Non-magnetic cap made of brass is adopted to minimize magnetic distortion
- Suitable for both Digital and Analog audio equipment
- RoHS compliant

\* Patent pending

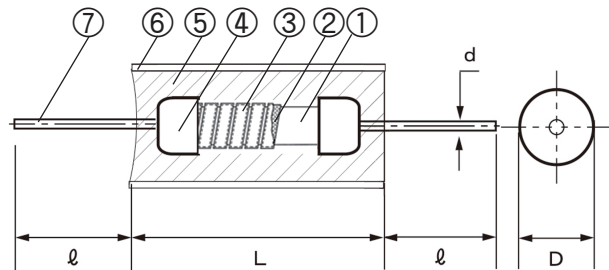
## Type Designation

AMRC 1/2W 100Ω G  
① ② ③ ④

|   |                      |          |
|---|----------------------|----------|
| ① | Product name         | AMRC     |
| ② | Power rating         | 1/2W *1) |
| ③ | Nominal resistance   | E-24     |
| ④ | Resistance tolerance | G ±2%    |
|   |                      | F ±1%    |

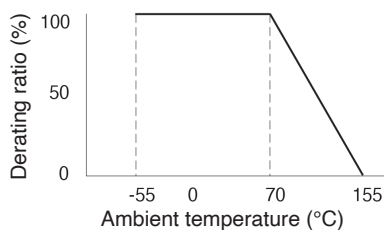
\*1) 1W or 2W will be followed

## Specifications



|   | Parts name                | Description                             |
|---|---------------------------|-----------------------------------------|
| ① | Ceramic base              | Porcelain rod (Alumina)                 |
| ② | Resistor film (1st layer) | Carbon film                             |
| ③ | Resistor film (2nd layer) | Metal film                              |
| ④ | Cap                       | Brass (tin plated)                      |
| ⑤ | Potting                   | Epoxy resin and alumina                 |
| ⑥ | Outer case                | Alumina                                 |
| ⑦ | Lead wire                 | Gold(24K) plated OFC (no nickel ground) |

## Derating Curve



## Dimensions

| Type      | L         | D         | ℓ    | d          |
|-----------|-----------|-----------|------|------------|
| AMRC 1/2W | 9.0 ± 1.0 | 6.0 ± 0.5 | ≤ 25 | 0.58 ± 0.1 |

## Rating

| Type      | Power Rating (W) | Max.Working Voltage (V) | Max.Overload Voltage (V) | Dielectric Withstanding Voltage (V) | Resistance Range(Ω) | Rated Ambient Temp. (°C) | Operating Temp. Range (°C) |
|-----------|------------------|-------------------------|--------------------------|-------------------------------------|---------------------|--------------------------|----------------------------|
| AMRC 1/2W | 0.5              | 350                     | 700                      | 700                                 | 10~1M               | +70°C                    | -55~+155°C                 |

Rated voltage shall be calculated by the formula of  $\sqrt{\text{Power rating} \times \text{Resistance value}}$ , or Max. working voltage in this table, whichever is lower.

The maximum overload voltage shall be smaller one of either 2.5 times value of the rated voltage or the maximum overload voltage in this table.